

FIG. 1 (PRIOR ART)

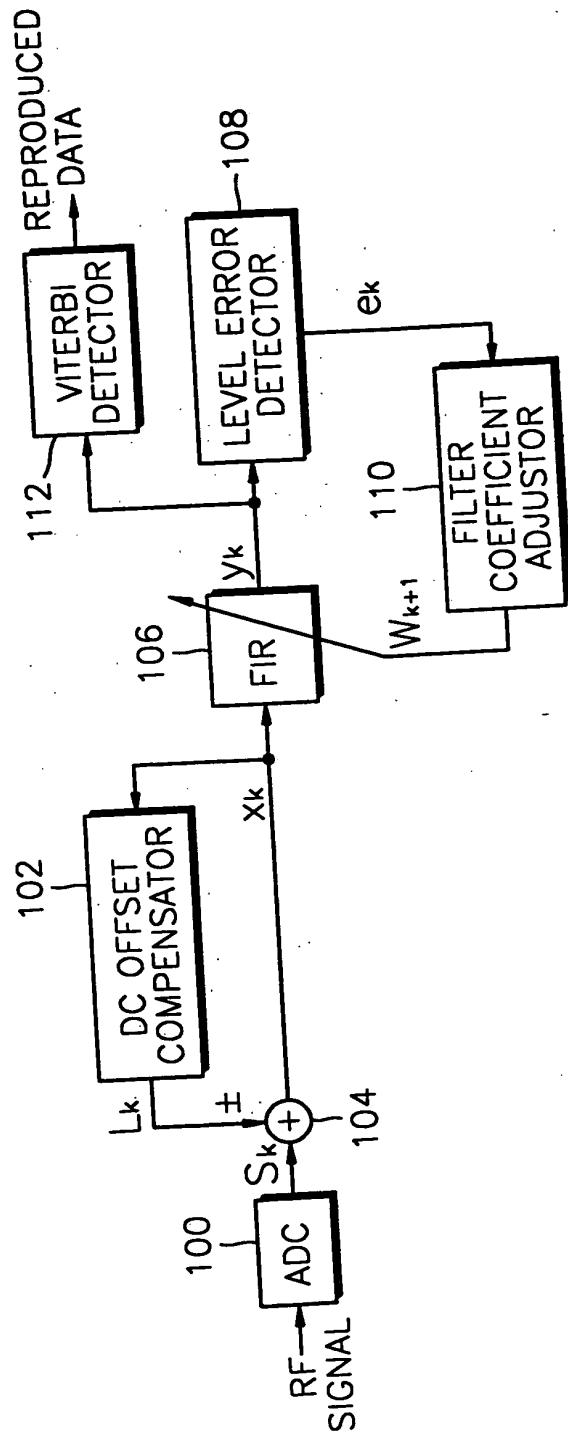


FIG. 2

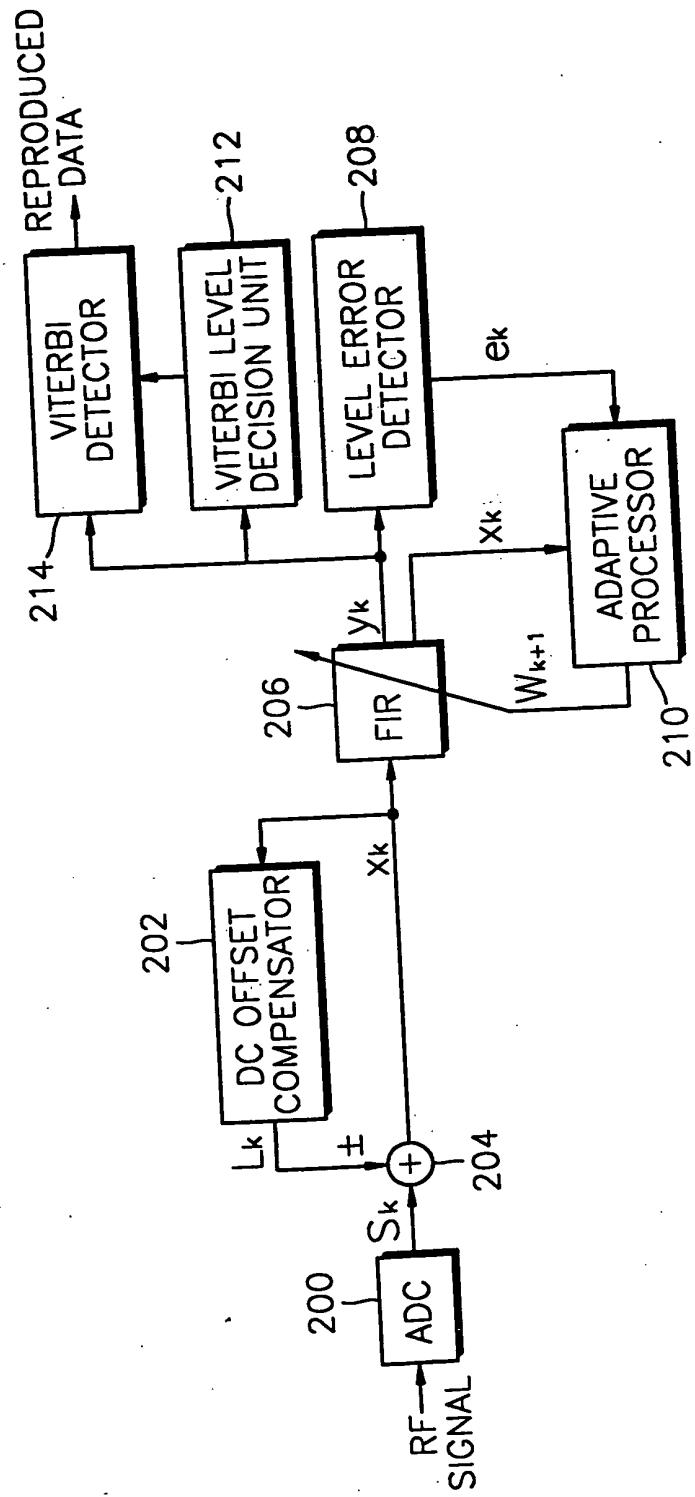


FIG. 3

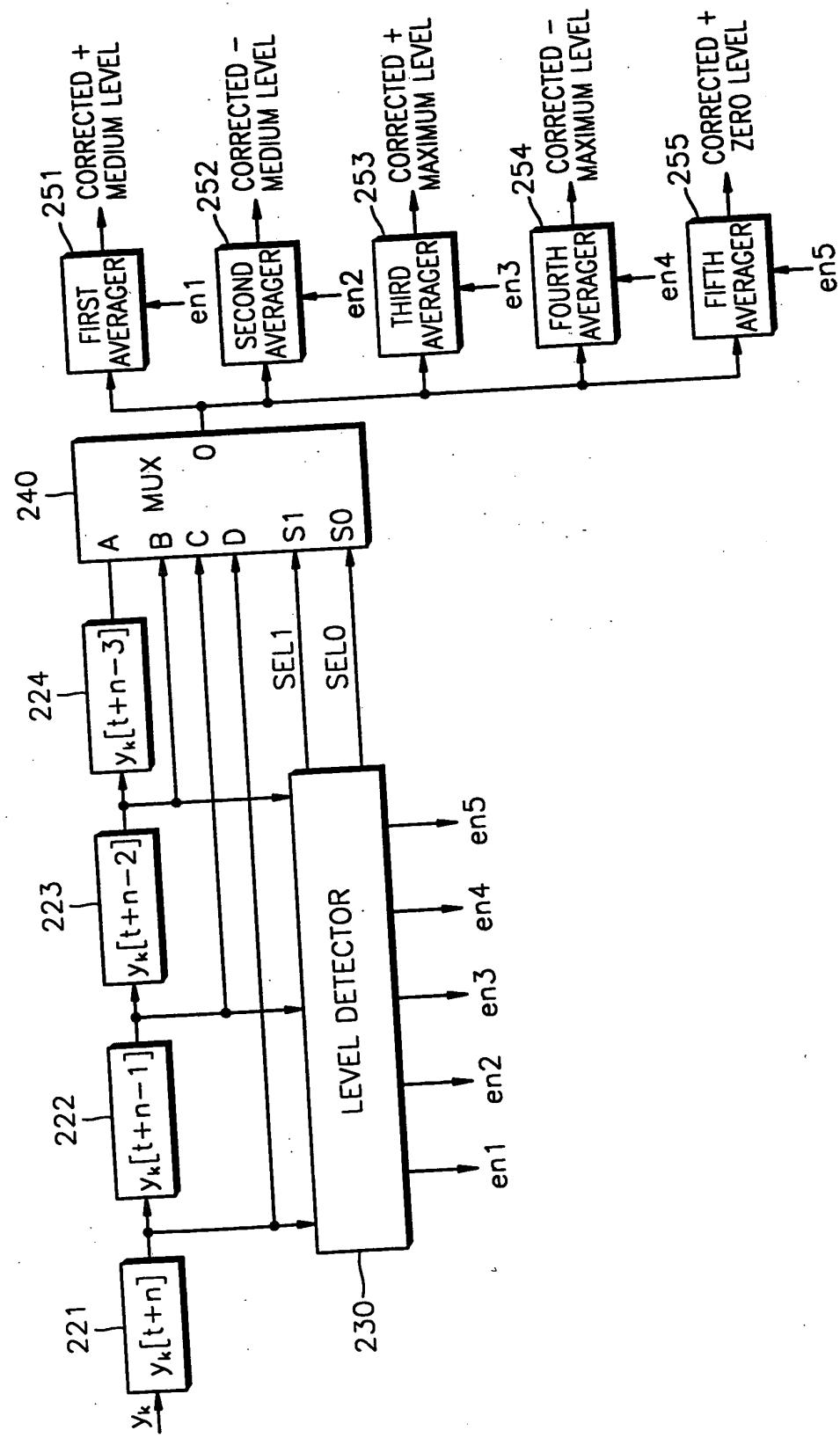


FIG. 4

CONDITIONS	+MID LEVEL ENABLE	-MID LEVEL ENABLE	+MAX LEVEL ENABLE	-MAX LEVEL ENABLE	ZERO LEVEL ENABLE	SEL1	SEL0	OUTPUT OF MUX
$y_k[t+n-1] * y_k[t+n] < 0$ AND $y_k[t+n-1] > 0$	ENABLE	DISABLE	DISABLE	DISABLE	DISABLE	0	1	$y_k[t+n-1]$
$y_k[t+n-1] * y_k[t+n] < 0$ AND $y_k[t+n-1] \leq 0$	ENABLE	DISABLE	DISABLE	DISABLE	DISABLE	0	0	$y_k[t+n]$
$y_k[t+n-2], y_k[t+n-1]$ AND $y_k[t+n]$ ARE LARGER THAN Th	DISABLE	DISABLE	ENABLE	DISABLE	DISABLE	0	0	$y_k[t+n]$
$y_k[t+n-2], y_k[t+n-1]$ AND $y_k[t+n]$ ARE SMALLER THAN Th	DISABLE	DISABLE	DISABLE	ENABLE	DISABLE	0	1	$y_k[t+n-1]$

FIG. 5

CONDITIONS	+MID LEVEL ENABLE	-MID LEVEL ENABLE	+MAX LEVEL ENABLE	-MAX LEVEL ENABLE	ZERO LEVEL ENABLE	SEL1	SEL0	OUTPUT OF MUX
$y_k[t+n-2] * y_k[t+n-1] \leq 0,$ $ y_k[t+n-2] \leq y_k[t+n-1] $ AND $y_k[t+n-1] > 0$	ENABLE	DISABLE	DISABLE	DISABLE	DISABLE	0	1	$y_k[t+n-1]$
$y_k[t+n-2] * y_k[t+n-1] \leq 0,$ $ y_k[t+n-2] \leq y_k[t+n-1] $ AND $y_k[t+n-1] \leq 0$	DISABLE	ENABLE	DISABLE	DISABLE	DISABLE	1	1	$y_k[t+n-3]$
$y_k[t+n-2] * y_k[t+n-1] \leq 0,$ $ y_k[t+n-2] \leq y_k[t+n-1] $ AND $y_k[t+n-1] \leq 0$	ENABLE	DISABLE	DISABLE	DISABLE	DISABLE	0	1	$y_k[t+n-5]$
$y_k[t+n-2] * y_k[t+n-1] \leq 0,$ $ y_k[t+n-2] \leq y_k[t+n-1] $ AND $y_k[t+n-1] \leq 0$	DISABLE	ENABLE	DISABLE	DISABLE	DISABLE	1	1	$y_k[t+n-1]$
$y_k[t+n-2] * y_k[t+n-1] \leq 0,$ $ y_k[t+n-2] > y_k[t+n-1] $ AND $y_k[t+n-2] > 0$	ENABLE	DISABLE	DISABLE	DISABLE	DISABLE	1	1	$y_k[t+n-2]$
$y_k[t+n-2] * y_k[t+n-1] \leq 0,$ $ y_k[t+n-2] > y_k[t+n-1] $ AND $y_k[t+n-2] > 0$	DISABLE	ENABLE	DISABLE	DISABLE	DISABLE	0	0	$y_k[t+n]$
$y_k[t+n-2] * y_k[t+n-1] \leq 0,$ $ y_k[t+n-2] > y_k[t+n-1] $ AND $y_k[t+n-2] \leq 0$	ENABLE	DISABLE	DISABLE	DISABLE	DISABLE	0	0	$y_k[t+n]$
$y_k[t+n-2], y_k[t+n-1]$ AND $y_k[t+n]$ ARE LARGER THAN TH	DISABLE	DISABLE	ENABLE	DISABLE	DISABLE	1	0	$y_k[t+n-2]$
$y_k[t+n-2], y_k[t+n-1]$ AND $y_k[t+n]$ ARE SMALLER THAN TH	DISABLE	DISABLE	ENABLE	DISABLE	DISABLE	0	1	$y_k[t+n-1]$
$y_k[t+n-1] * y_k[t+n] \leq 0$ AND $ y_k[t+n-1] \leq y_k[t+n] $	DISABLE	DISABLE	DISABLE	ENABLE	ENABLE	0	1	$y_k[t+n-1]$
$y_k[t+n-1] * y_k[t+n] \leq 0$ AND $ y_k[t+n-1] > y_k[t+n] $	DISABLE	DISABLE	DISABLE	ENABLE	ENABLE	0	0	$y_k[t+n]$

FIG. 6

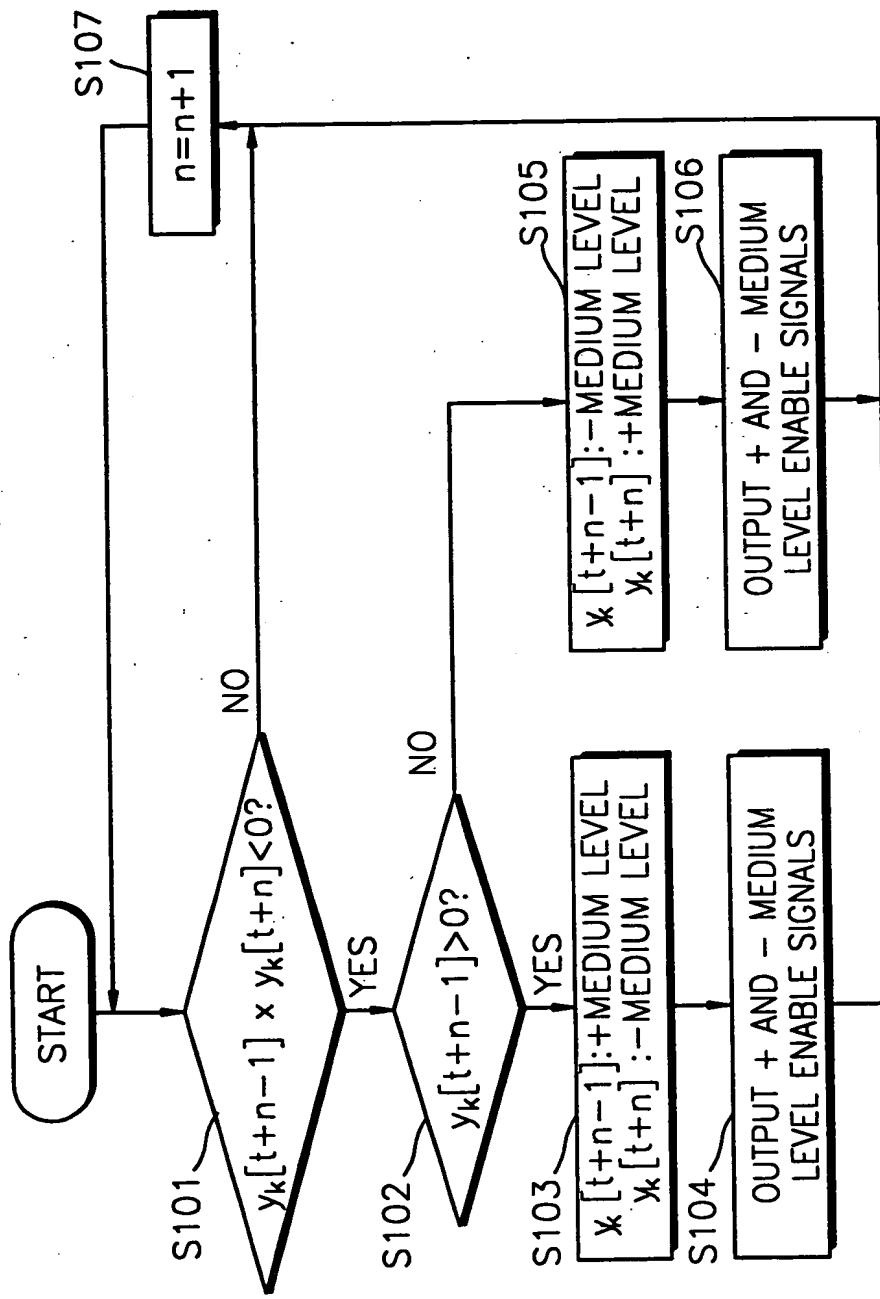


FIG. 7

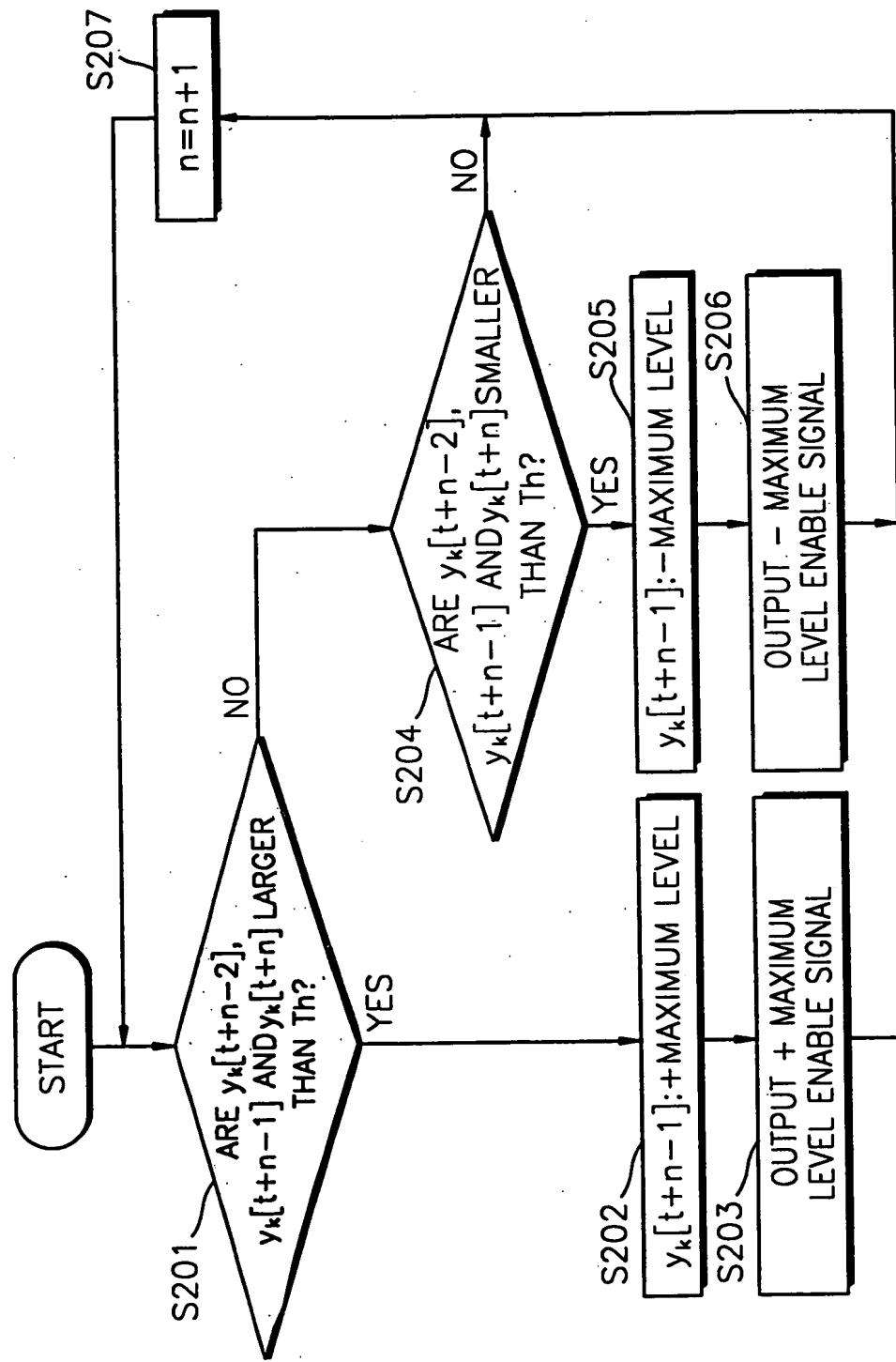


FIG. 8

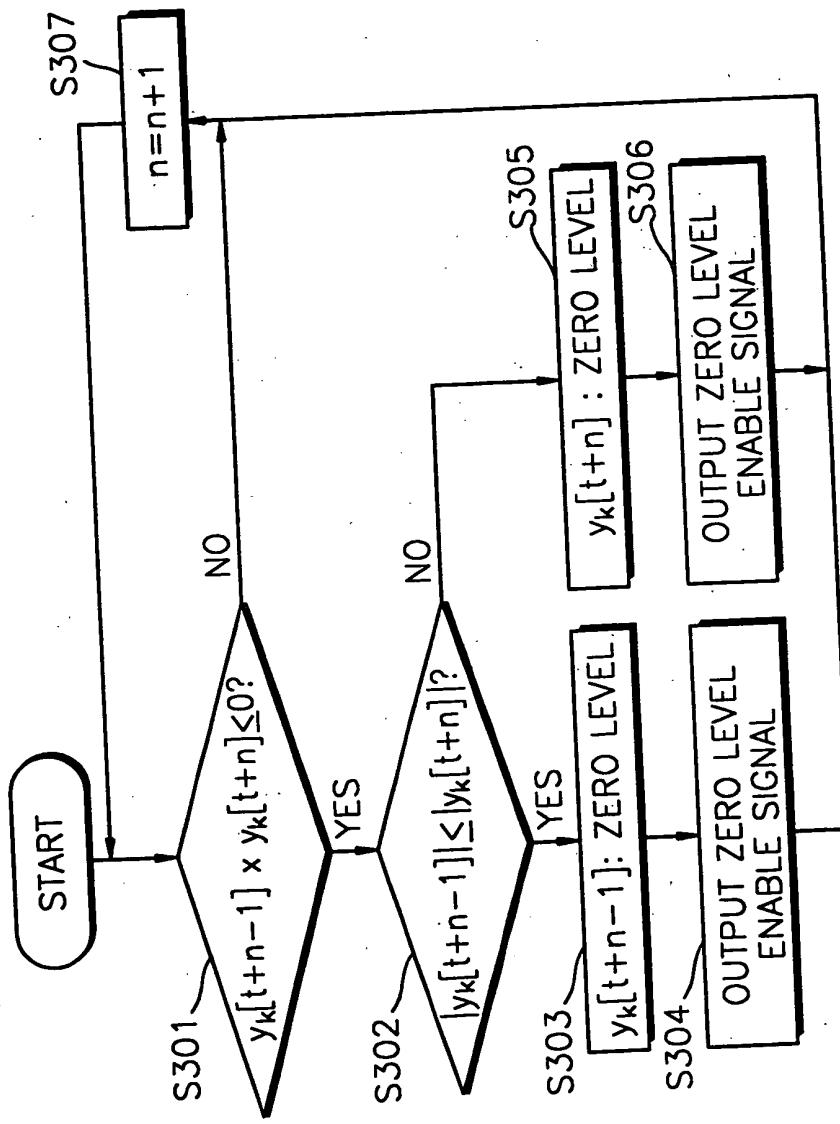


FIG. 9

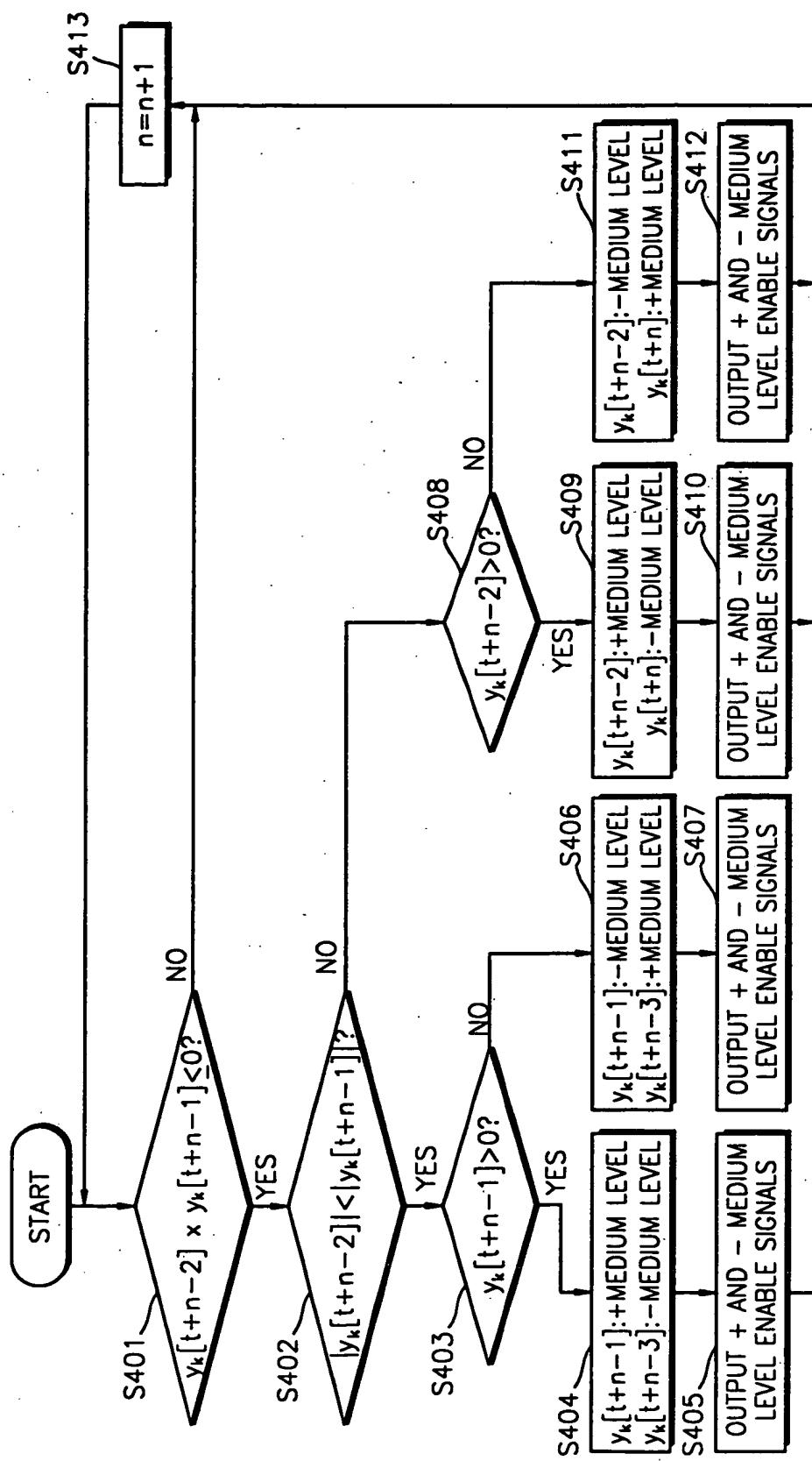


FIG. 10

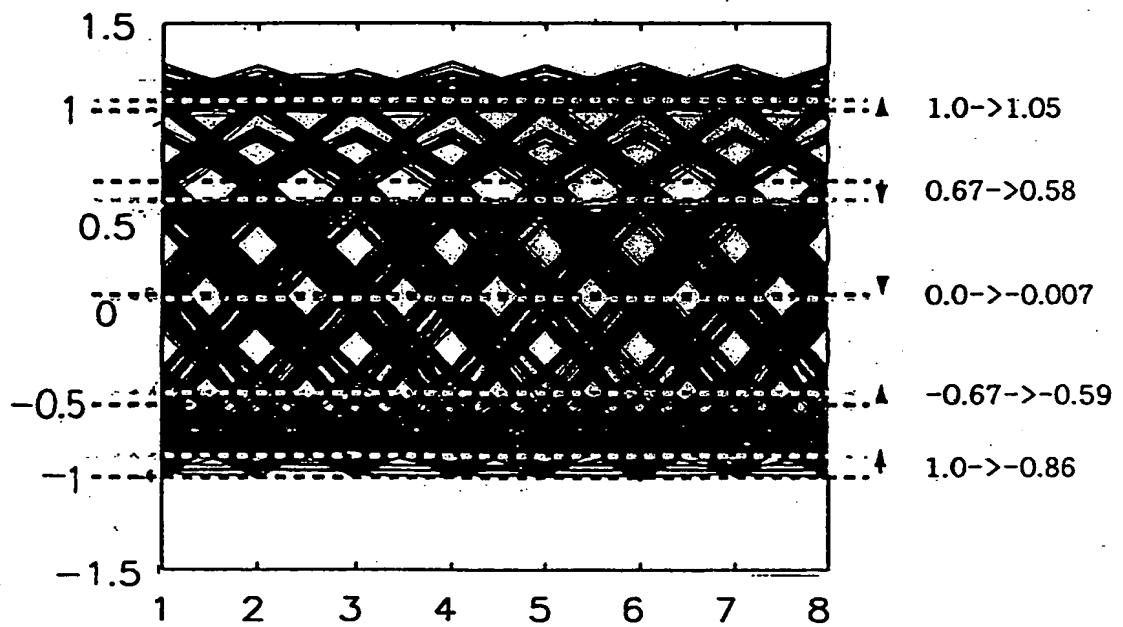


FIG. 11

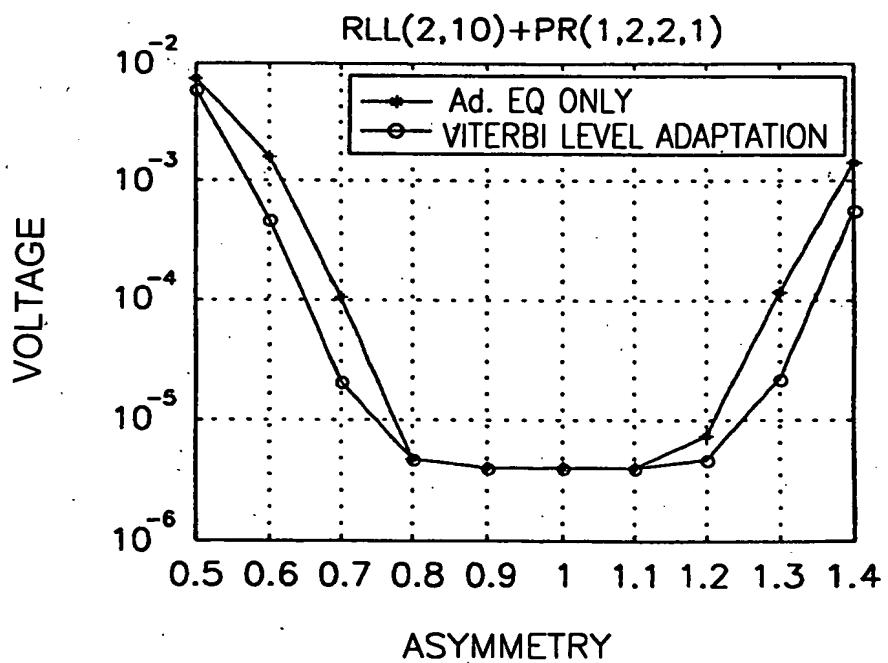


FIG. 12

